

WHAT IS CLAIMED IS:

1. An incubator comprising:

a reaction chamber disposed in an incubator body;

a heat conductive reaction block disposed in the

5 reaction chamber to hold one or plural vessels containing reaction samples;

a cover for covering an upper part of the reaction chamber in an openable manner;

10 upper heating means positioned on a lower surface of the cover to heat an upper part of the vessel held by the reaction block; and

pressure means for pressing the upper heating means to the vessel side;

15 the reaction block being heated/cooled while the upper part of the vessel is heated by the upper heating means, to incubate the reaction sample;

wherein the cover is disposed rotatably and movably in a horizontal direction with respect to the incubator body.

20 2. The incubator according to claim 1,

wherein the cover is rotatable to be freely brought into contact with and separated from the vessel held by the reaction block, and is movable in the horizontal direction in a state in which a lower surface thereof is down, to open the
25 upper part of the reaction chamber.

3. The incubator according to claim 1 or 2, further

comprising:

pressing means abutted on a cap peripheral edge of the vessel,

wherein the pressing means is movable with respect to the upper heating means.

4. The incubator according to claim 3, wherein the pressing means is attached to a lower surface of the upper heating means, and held in a neutral position or a fixed position in a separated state from the vessel.

5. The incubator according to claim 3 or 4, wherein the pressing means is a plate material in which one or plural through-holes are formed.

6. The incubator according to claim 3 or 4, wherein the pressing means is a plate material in which one or plural concaves are formed.

7. An incubator comprising:
a reaction chamber disposed in an incubator body;
a heat conductive reaction block disposed in the reaction chamber to hold one or plural vessels containing reaction samples; and
a cover for covering an upper part of the reaction chamber in an openable manner;

the reaction block being heated/cooled to incubate the reaction sample;

wherein a display section is disposed in the incubator body to display an incubation state, and attached to the incubator body in such a manner that an angle to the incubator body is adjustable.

8. An incubator comprising:

a reaction chamber disposed in an incubator body;

a heat conductive reaction block disposed in the reaction chamber to hold one or plural vessels containing reaction samples; and

a cover for covering an upper part of the reaction chamber in an openable manner;

the reaction block being heated/cooled to incubate the reaction sample;

wherein an operation section is disposed in the incubator body to set an incubation state, and attached to the incubator body in such a manner that an angle to the incubator body is adjustable.

9. An incubator comprising:

a reaction chamber disposed in an incubator body;

a heat conductive reaction block disposed in the reaction chamber to hold one or plural vessels containing reaction samples; and

a cover for covering an upper part of the reaction

chamber in an openable manner;

the reaction block being heated/cooled to incubate the reaction sample;

wherein an operation panel comprising a display section for displaying an incubation state and an operation section for setting the incubation state is disposed in the incubator body, and the operation panel is attached to the incubator body in such a manner that an angle to the incubator body is adjustable.

10

10. The incubator according to claim 7, 8 or 9,

wherein the display section, the operation section or the operation panel is adjustable at a plurality of stages to the incubator body.

15